

Mineral Industry Surveys

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IRON ORE IN JULY 2002

U.S. mine production of iron ore in July 2002, on a daily average basis, was 12% lower than that of the prior month, according to the U.S. Geological Survey. Shipments decreased by 5%. Mine stocks at the end of the month were 22% lower than at the end of the previous month. Consumption and trade

data for July 2002 will be included in a subsequent issue.

Note

All data in this report have been rounded to no more than three significant digits. Totals and percentages were calculated by using unrounded data.

TABLE 1
U.S. PRODUCTION AND SHIPMENTS OF IRON ORE 1/ 2/
(Exclusive of ore containing 5% or more of manganese)

(Thousand metric tons)

| Period | Production | | Shipments | |
|-----------|------------|--------------|-----------|--------------|
| | Monthly | Year to date | Monthly | Year to date |
| 2001: | | | | |
| July | 3,610 | 26,800 | 5,290 | 28,300 |
| August | 4,350 | 31,200 | 5,420 | 33,700 |
| September | 4,520 | 35,700 | 4,820 | 38,500 |
| October | 4,160 | 39,900 | 4,850 | 43,400 |
| November | 3,430 | 43,300 | 4,290 | 47,700 |
| December | 2,760 | 46,100 | 3,740 | 51,400 |
| 2002: | | | | |
| January | 3,700 | 3,700 | 2,530 | 2,530 |
| February | 3,200 | 6,890 | 1,360 | 3,890 |
| March | 3,660 | 10,600 | 2,200 | 6,090 |
| April | 3,840 | 14,400 | 4,360 | 10,400 |
| May | 4,850 | 19,200 | 5,320 | 15,800 |
| June | 4,870 | 24,100 | 5,810 | 21,600 |
| July | 4,430 | 28,500 | 5,720 | 27,300 |

1/ Data are rounded to no more than three significant digits.

2/ Excludes byproduct ores.

TABLE 2
U.S. PRODUCTION, SHIPMENTS, AND STOCKS OF IRON ORE IN JULY 1/ 2/

(Thousand metric tons)

| District | Production | | Shipments 3/ | | Stocks 4/ | |
|----------------|------------|-------|--------------|----------|-----------|----------|
| | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 |
| Lake Superior: | | | | | | |
| Michigan | 750 | 861 | 1110 | 1340 r/ | 1070 | 3170 r/ |
| Minnesota | 3,680 | 2,750 | 4,610 | 3,950 | 3,950 | 4,540 |
| Total | 4,430 | 3,610 | 5,720 | 5,290 r/ | 5,020 | 7,710 r/ |

r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Excludes byproduct ore.

3/ Includes rail and vessel.

4/ Includes mines, plants, and loading docks.

TABLE 3
CANADA: SHIPMENTS OF IRON ORE 1/

(Thousand dry metric tons)

| Period | Newfoundland | Quebec | British Columbia | |
|------------|--------------|--------|------------------|--------|
| | | | Total | |
| 2001: | | | | |
| June | 1,480 | 995 | 7 | 2,480 |
| July | 1,790 | 1,280 | 6 | 3,070 |
| August | 1,380 | 1,270 | 6 | 2,650 |
| September | 1,130 | 1,160 | 6 | 2,300 |
| October | 2,060 | 1,060 | 7 | 3,120 |
| November | 1,670 | 1,140 | 6 | 2,810 |
| December | 1,390 | 756 | 5 | 2,150 |
| Year total | 17,300 | 9,560 | 72 | 27,000 |
| 2002: | | | | |
| January | 782 | 630 | 10 | 1,420 |
| February | 355 | 699 | 10 | 1,060 |
| March | 1,060 | 771 | 5 | 1,840 |
| April | 1,490 | 913 | 9 | 2,410 |
| May | 2,390 | 1,240 | 8 | 3,630 |
| June | 1,530 | 903 | 6 | 2,440 |

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: Natural Resources Canada.

TABLE 4
CONSUMPTION AND STOCKS OF IRON ORE AND
BLAST FURNACE PRODUCTION OF HOT METAL AT U.S. IRON AND STEEL PLANTS 1/ 2/

(Thousand metric tons)

| | Consumption of ores and agglomerates | | | |
|--|---------------------------------------|--------|--------------|--------|
| | June | | January-June | |
| | 2002 | 2001 | 2002 | 2001 |
| Consumption by source | | | | |
| United States ores | 3,790 | 4,350 | 23,100 | 26,900 |
| Canadian ores | 340 | 403 | 1,670 | 2,180 |
| Foreign ores | 524 | 497 | 3,300 | 3,420 |
| Total | 4,660 | 5,250 | 28,100 | 32,500 |
| Consumption by process | | | | |
| Blast furnaces | 4,200 | 4,850 | 25,500 | 30,000 |
| Steel furnaces | 14 | 2 | 33 | 14 |
| Agglomerating plants 3/ | 439 | 398 | 2,610 | 2,500 |
| Miscellaneous 4/ | -- | -- | 2 | -- |
| Total | 4,660 | 5,250 | 28,100 | 32,500 |
| | Stocks of ores and agglomerates, | | | |
| | June 30 | | | |
| | 2002 | 2001 | | |
| Storage point | | | | |
| Furnace yards | 8,430 | 10,600 | | |
| Receiving/transfer docks | 1,170 | 1,680 | | |
| Total consumer | 9,600 | 12,300 | | |
| | Blast furnace production of hot metal | | | |
| | June | | January-June | |
| | 2002 | 2001 | 2002 | 2001 |
| Hot metal and pig iron produced in blast furnaces | 3,280 | 3,760 | 19,100 | 22,100 |
| No. of blast furnaces operating on the last day of the month | 30 | 34 | XX | XX |

XX Not applicable. -- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Iron ore and iron ore concentrates consumed in agglomerating plants not located at the mine or plant site.

4/ Sold to nonreporting companies or used for purposes not listed.

Sources: American Iron Ore Association (consumption of iron ore) and American Iron and Steel Institute (production of hot metal and pig iron).

TABLE 5
U.S. EXPORTS OF IRON ORE, BY COUNTRY OF DESTINATION AND TYPE 1/ 2/

(Thousand metric tons)

| Country of destination and type | 2001 4th quarter | 2002 | | | |
|---------------------------------|---------------------|-------------|-------|------|------|
| | | 1st quarter | April | May | June |
| Canada | 1,370 | 738 | 647 | 695 | 704 |
| Mexico | (3/) | (3/) | (3/) | 3 | 7 |
| Other | 2 | 1 | 2 | (3/) | (3/) |
| Total | 1,370 | 739 | 649 | 699 | 711 |
| Pellets | 1,340 | 736 | 647 | 694 | 682 |
| Other | 29 | 3 | 2 | 5 | 28 |
| Total | 1,370 | 739 | 649 | 699 | 711 |

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF IRON ORE, BY COUNTRY AND TYPE 1/ 2/
(Exclusive of ore containing 20% or more manganese)

| Country of origin and type of product | 2002 | | | | | 2001 |
|--|----------------------------|-----------------------------------|----------------------------|-----------------------------------|----------------------------------|----------------------------|
| | June | | Year to date | | | January-June |
| | Thousand metric tons | Value 3/ (thousand dollars) | Thousand metric tons | Value 3/ (thousand dollars) | Value 3/ (dollars per ton) | Thousand metric tons |
| Australia | 61 | 540 | 314 | 3,240 | 10.32 | 319 |
| Brazil | 518 | 11,400 | 2,510 | 58,900 | 23.46 | 2,240 |
| Canada | 522 | 16,500 | 1,660 | 49,000 | 29.58 | 1,840 |
| Chile | -- | -- | 116 | 2,520 | 21.70 | 204 |
| Norway | -- | -- | 10 | 172 | 17.37 | 2 |
| Peru | 34 | 310 | 69 | 835 | 12.14 | 16 |
| Sweden | 44 | 1,040 | 44 | 1,040 | 24.00 | -- |
| Other | -- | -- | 77 | 4,000 | 51.83 | 320 r/ |
| Total | 1,180 | 29,800 | 4,800 | 120,000 | 24.96 4. | 4,940 |
| Concentrates | 53 | 1,350 | 239 | 4,980 | 20.84 | 159 |
| Coarse ores | -- | -- | 3 | 104 | 37.00 | 25 |
| Fine ores | 393 | 5,920 | 1,590 | 25,100 | 15.76 | 2,530 |
| Pellets | 732 | 22,600 | 2,760 | 83,200 | 30.19 | 2,020 |
| Briquettes | -- | -- | 39 | 3,120 | 81.00 | 42 |
| Other agglomerates | -- | -- | 162 | 3,040 | 18.75 | 158 |
| Roasted pyrites | -- | -- | 7 | 193 | 27.49 | 4 |
| Total | 1,180 | 29,800 | 4,800 | 120,000 | 24.96 4. | 4,940 |

r/ Revised. -- Zero.

1/ Data, with the exception of the dollars per ton column, are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Customs value. Excludes international freight, insurance, and other c.i.f. charges.

4/ Weighted average calculated by dividing total value by total tonnage.

Source: U.S. Census Bureau.

TABLE 7
U.S. IMPORTS FOR CONSUMPTION OF IRON ORE IN JUNE 2002 1/ 2/
(Exclusive of ore containing 20% or more manganese)

(Thousand metric tons)

| Country of origin | Type of product | | | | | | Total |
|-------------------|-----------------|----------------|--------------|---------|---|--------------------|-------|
| | Concentrates | Coarse ores | Fine ores | Pellets | Briquettes and other agglomerates | Roasted pyrites | |
| Brazil | -- | -- | 297 | 221 | -- | -- | 518 |
| Canada | 10 | -- | 1 | 512 | -- | -- | 522 |
| Other | 44 | -- | 95 | -- | -- | -- | 139 |
| Total | 53 | -- | 393 | 732 | -- | -- | 1,180 |

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

Source: U.S. Census Bureau.

TABLE 8
U.S. IMPORTS FOR CONSUMPTION OF PELLETS, BY COUNTRY 1/

| Country of origin | 2002 | | | | | 2001 |
|----------------------|----------------------------|-----------------------------------|----------------------------|-----------------------------------|----------------------------------|----------------------------|
| | June | | Year to date | | | January-June |
| | Thousand metric tons | Value 2/ (thousand dollars) | Thousand metric tons | Value 2/ (thousand dollars) | Value 2/ (dollars per ton) | Thousand metric tons |
| Brazil | 221 | 6,380 | 1,330 | 38,400 | 28.97 | 319 |
| Canada | 512 | 16,200 | 1,430 | 44,700 | 31.32 | 1,460 |
| Other | -- | -- | -- | -- | -- | 249 |
| Total | 732 | 22,600 | 2,760 | 83,200 | 30.19 3/ | 2,020 |

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Customs value. Excludes international freight, insurance, and other c.i.f. charges.

3/ Weighted average calculated by dividing total value by total tonnage.

Source: U.S. Census Bureau.

TABLE 9
U.S. IMPORTS FOR CONSUMPTION OF IRON ORE,
BY CUSTOMS DISTRICT 1/ 2/
(Exclusive of ore containing 20% or more manganese)

(Thousand metric tons)

| Customs district | June | January-June | |
|------------------------------|-------|--------------|-------|
| | 2002 | 2002 | 2001 |
| Baltimore, MD (13) | 421 | 2,160 | 1,720 |
| Buffalo, NY (09) | 1 | 1 | -- |
| Charleston, SC (16) | -- | 79 | 18 |
| Chicago, IL (39) | 133 | 238 | 597 |
| Cleveland, OH (41) | 186 | 343 | 159 |
| Columbia - Snake, OR (29) | -- | 28 | -- |
| Detroit, MI (38) | 69 | 117 | 383 |
| Houston - Galveston, TX (53) | -- | 28 | 48 |
| Laredo, TX (23) | -- | 11 | 17 |
| Los Angeles, CA (27) | -- | (3/) | -- |
| Miami, FL (52) | -- | 4 | -- |
| Mobile, AL (19) | 60 | 92 | 461 |
| New Orleans, LA (20) | 274 | 1,650 | 1,470 |
| Philadelphia, PA (11) | -- | 3 | 26 |
| Providence, RI (05) | 34 | 34 | -- |
| San Juan, PR (49) | -- | 10 | -- |
| Tampa, FL (18) | -- | -- | 37 |
| Total | 1,180 | 4,800 | 4,940 |

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 10
U.S. IMPORTS FOR CONSUMPTION OF PELLETS,
BY CUSTOMS DISTRICT 1/

(Thousand metric tons)

| Customs district | June | January-June | |
|----------------------------|------|--------------|-------|
| | 2002 | 2002 | 2001 |
| Baltimore, MD (13) | 143 | 770 | 516 |
| Charleston, SC (16) | -- | 79 | -- |
| Chicago, IL (39) | 53 | 82 | 338 |
| Cleveland, OH (41) | 186 | 343 | 159 |
| Detroit, MI (38) | 69 | 94 | 383 |
| Houston-Galveston, TX (53) | -- | 17 | 16 |
| Laredo, TX (23) | -- | 11 | 17 |
| Mobile, AL (19) | 60 | 60 | 309 |
| New Orleans, LA (20) | 221 | 1,300 | 285 |
| Total | 732 | 2,760 | 2,020 |

--Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.